

Title: 3D Scene Completion  
Organization: Technicolor R&I  
Location: Rennes, France  
Contact: [mohammad.rouhani@technicolor](mailto:mohammad.rouhani@technicolor).

We are looking for an intern in Technicolor R&I Rennes, France to work on 3D scene completion and texture reconstruction & inpainting applied for Diminished Reality. The successful candidate will join the Augmented Reality team to focus on the real-time removal of an undesired object in a real 3D scene. We will assume that a textured 3D model of the scene is available. Both geometric and photometric spatio-temporal consistencies should be maintained.

The internship will consist in the analysis of previous works related to diminished reality and video inpainting, but also to real-time blending of textures. A solution suited to our real-time needs will be specified, implemented, tested and improved. Several cases with incremental complexity will be addressed. A particular attention will be given to the dissemination aspects: presentation to the project team, demonstrator, and technical report.

Please send your CV and a cover letter to: [mohammad.rouhani@technicolor](mailto:mohammad.rouhani@technicolor).